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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE ATTY. DOCKET NO. SERIAL NO. (Modified) PATENT AND TRADEMARK OFFICE K-1436P Cont. 10/606482 **INFORMATION DISCLOSURE APPLICANT** STATEMENT BY APPLICANT Mehrotra et al. (Use several sheets if necessary) **FILING DATE GROUP** (37 CFR 1.98(b)) 6/26/03 **U.S. PATENT DOCUMENTS EXAMINER** ISSUE **FILING DATE** INITIAL PATENT NUMBER DATE PATENTEE **CLASS SUBCLASS** IF APPROPRIATE JS 4 0 1 3/1977 1 1 0 8 Hellman et al. 148 11.5P 4 2 7 11/1978 1 4 1 6 Lumby et al. 106 73.2 4 Samanta et al. 2 2 7 8 4 2 10/1980 409 131 4 2 6 4 5 4 8 4/1981 **Ezis** 264 65 4 2 9/1981 8 6 9 0 5 Samanta 409 132 4 2 9 6 5 10/1981 6 0 Ishii et al. 264 325 4 3 8 8 0 8 5 6/1983 Sann et al. 51 307 4 4 0 1 6 7 8/1983 1 Ezis et al. 264 332 4 4 0 6 6 6 7 9/1983 Sann et al. 51 295 4 9/1983 4 0 6 6 6 8 Sann et al. 295 51 4 4 0 9 0 0 3 10/1983 JS Sann et al. 51 295 FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION **PUBLICATION COUNTRY OR TRANSLATION** DATE DOCUMENT NUMBER PATENT OFFICE **CLASS SUBCLASS** YES NO 9 JS 7 1 8 1 7 7 5/1997 PCT X 0 2 9 8 9 3 6 1/1989 Europe X 9 7 3 5 8 7 10/1997 **PCT** X 1 0 3 5 4 1 4 3 03/1991 Full Japan **English** 3 1 9 3 6 6 6 08/1991 Japan Full **Enalish** 3 9 3 8 6 4 4 05/1990 Germany JS X OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication) Sivasankaran et al., "Wear of Ceramic Tools in Machining Cast Iron", pp. 293-301 JS Beeghly et al., "Application-Specialized Ceramics: A Silicon Nitride for Mathining Gray Cast Iron". JS JS pp. 91-99; ASM Conference: Tool Materials, Scottsdale, AZ (February, 1987) Janardhana Reddy et al., "Comparative Studies of Ceramic and Tungsten Carbide Tools for Machining Gray Cast Iron," pp. 161-171; Conference: Advanced Ceramics; India (March, 1990) JS **EXAMINER** DATE CONSIDERED /Jason Savage/ 06/12/2006 EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Includ copy of this form with next communication to applicant.

U.S. DEPARTMENT OF COMMERCE ATTY. DOCKET NO. SERIAL NO. **FORM PTO-1449** PATENT AND TRADEMARK OFFICE 10/606482 K-1436P Cont. (Modified) **APPLICANT** INFORMATION DISCLOSURE STATEMENT BY APPLICANT Mehrotra et al. **FILING DATE GROUP** (Use several sheets if necessary) 6/26/03 (37 CFR 1.98(b)) **U.S. PATENT DOCUMENTS EXAMINER** ISSUE FILING DATE IF APPROPRIATE **PATENTEE** CLASS **SUBCLASS** INITIAL DATE PATENT NUMBER 4 0 9 0 4 10/1983 Sann et al. 51 295 JS 4 51 295 1 7 0 11/1983 Sann et al. 6 6 4 4 2 2 5 12/1983 Sann et al. 51 295 4 4 1 5 51 295 02/1984 Sann et al. 3 4 4 1 4 3 1 7 04/1984 Sann et al. 51 295 4 4 4 0 5 4 9 Sann et al 51 307 4 4 3 3 9 7 02/1984 501 3 2 02/1984 Ezis et al. 98 4 4 4 3 8 295 04/1984 Sann et al. 51 4 4 4 8 9 4 51 295 4 4 4 9 9 8 9 05/1984 Sann et al. Sann et al. 82 4 7 2 2 8 02/1985 4 9 Shimamori et al 264 65 04/1984 4 4 4 0 7 0 7 JS FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION PUBLICATION **TRANSLATION** COUNTRY OR YES NO DATE **SUBCLASS** DOCUMENT NUMBER PATENT OFFICE CLASS Х 08/1990 JS 4 0 0 0 7 7 7 Germany X 3 9 3 9 9 8 9 07/1990 Germany JS OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication) Tennenhouse et al., "Interaction of Silicon Nitride and Metal Surface", J. Am.. Ceramic Soc. 68 [1] JS C30-C31 (1985) Agranov et al., "Wear Behavior of Hot Pressed Silicon Nitride in Cutting of Cast Iron", Ind. Ceramics JS Vol. 8, No. 4 pp. 192-197 (1988) Bhola et al., "ceramic Cutting tool Inserts", Key Engineering Materials, Vols. 122-124 (1996) pp. 235-JS 246 EXAMINER **DATE CONSIDERED** 06/12/2006 /Jason Savage/ EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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